

## WEST Search History

DATE: Monday, January 29, 2007

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<input type="checkbox"/>	L1	(ua111 or ua-1111 or 1111) same helicobacter	14
<input type="checkbox"/>	L2	(ua111 or ua-1111 or 1111) same pylori	14
<input type="checkbox"/>	L3	L2 or 11	15
<input type="checkbox"/>	L4	(bezila and johnson and taylor).in.	3
<i>DB=EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>			
<input type="checkbox"/>	L5	2004009793	7

END OF SEARCH HISTORY

- 
- 1. 20050164338. 22 Jan 04. 28 Jul 05. *H. pylori fucosyltransferases*. Simala-Grant, Joanne, et al. 435/68.1; 435/193 435/320.1 435/325 530/395 C12P021/06 C12N009/10.
  - 2. US20050164338A. New isolated fucosyltransferase polynucleotides and polypeptides, useful for synthesizing oligosaccharides, glycoproteins, or glycolipids. BEZILA, D J, et al. C07H000/00 C12N009/10 C12P021/06.
  - 3. WO2004009793A. Producing fucosylated glycoprotein, by contacting recombinant fucosyltransferase protein with mixture comprising donor substrate and acceptor substrate on glycoprotein. BEZILA, D J, et al. A23J001/00 C12N000/00 C12N009/00 C12N009/10 C12N009/12 C12P001/00 C12P019/18 C12P021/02 C12P021/06 C12Q001/00 C12Q001/48.
-

1. 20060099688. 22 Dec 05. 11 May 06. UDP-galactose: beta-D-galactose-R4-alpha-D-galactosyltransferase, alpha4Gal-T1. Clausen; Henrik, et al. 435/69.1; 435/101 435/193 435/320.1 435/325 536/123 536/23.2 C07H21/04 20060101 C12N9/10 20060101 C12P19/04 20060101 C12P21/06 20060101

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2. 20050164338. 22 Jan 04. 28 Jul 05. H. pylori fucosyltransferases. Simala-Grant, Joanne, et al. 435/68.1; 435/193 435/320.1 435/325 530/395 C12P021/06 C12N009/10.

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3. 20050106597. 31 Aug 04. 19 May 05. Staphylococcus aureus polynucleotides and polypeptides. Choi, Gil H.. 435/6; 435/252.3 435/471 435/69.3 530/350 536/23.7 C12Q001/68 C07H021/04 C12P021/04 C12N001/21 C07K014/31 C12N015/74.

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4. 20040082002. 14 Nov 03. 29 Apr 04. 37 staphylococcus aureus genes and polypeptides. Choi, Gil H.. 435/6; 435/252.3 435/320.1 435/69.1 530/350 536/23.7 C07K014/31 C12Q001/68 C07H021/04 C12N001/21.

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5. 20040052799. 30 Dec 02. 18 Mar 04. Nucleic acid and amino acid sequences relating to Helicobacter pylori for diagnostics and therapeutics. Smith, Douglas, et al. 424/184.1; A61K039/00 A61K039/38.

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6. 20030049648. 28 Feb 02. 13 Mar 03. 37 staphylococcus aureus genes and polypeptides. Choi, Gil H.. 435/6; 435/220 435/252.3 435/320.1 435/69.1 435/7.32 536/23.7 C12Q001/68 G01N033/554 G01N033/569 C07H021/04 C12N009/52 C12P021/02 C12N001/21 C12N015/74.

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7. 20030017495. 29 Jul 02. 23 Jan 03. Enterococcus faecalis polynucleotides and polypeptides. Choi, Gil H., et al. 435/6; 435/183 435/252.3 435/320.1 435/69.3 536/23.7 C12Q001/68 C07H021/04 C12P021/02 C12N001/21 C12N015/74 C12N009/00.

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8. 20020115078. 18 Jun 01. 22 Aug 02. Identification of polynucleotides encoding novel helicobacter polypeptides in the helicobacter genome. Kleanthous, Harold, et al. 435/6; 424/164.1 424/190.1 435/320.1 514/44 536/23.7 C12Q001/68 C07H021/04 A61K039/40 A61K039/02 A61K048/00 C12N015/74.

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9. 20020103338. 10 Aug 01. 01 Aug 02. Staphylococcus aureus polynucleotides and polypeptides. Choi, Gil H.. 530/350; 435/252.3 435/320.1 435/325 435/69.1 536/23.7 C07K014/315 C07H021/04 C12P021/02 C12N005/06 C12N001/21.

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10. 7115404. 09 Aug 02; 03 Oct 06. UDP-galactose: beta.-D-galactose-R 4.-alpha.-D-galactosyltransferase, .alpha.4Gal-T1. Clausen; Henrik, et al. 435/193; 424/94.1 435/183 435/252.3 435/320.1 435/4 435/6 435/69.1 536/23.2. C07H21/04 20060101 C12N9/00 20060101 C12N9/10 20060101 C12P21/06 20060101 .

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11. 7060458. 29 Nov 99; 13 Jun 06. Nucleic acid and amino acid sequences relating to Staphylococcus epidermidis for diagnostics and therapeutics. Doucette-Stamm; Lynn, et al. 435/69.1; 435/252.3 435/320.1 435/325 536/23.7 536/24.32. C07H21/04 20060101 .

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12. 7041814. 18 Feb 99; 09 May 06. Nucleic acid and amino acid sequences relating to Enterobacter cloacae for diagnostics and therapeutics. Weinstock; Keith G., et al. 536/24.1; 435/252.3 435/320.1 435/325 435/4 435/6 435/69.1 435/69.6 536/23.1 536/23.2 536/23.5 536/23.7. C12Q1/68 20060101 C12Q1/70 20060101 C07H21/04 20060101 .

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13. 6833253. 10 Aug 01; 21 Dec 04. Staphylococcus aureus polynucleotides and polypeptides. Choi; Gil H.. 435/69.1; 435/252.3 435/320.1 435/6 536/23.1 536/23.4 536/23.7. C12P021/06.

14. 5801013. 26 May 95; 01 Sep 98. Helicobacter aminoacyl-tRNA synthetase proteins, nucleic acids and strains comprising same. Tao; Jianshi, et al. 435/69.1; 435/252.3 435/254.2 435/320.1 435/69.7 530/350 536/23.2 536/23.4 536/24.32. C12N015/00 C12N015/63 C07K014/195 C07H021/04.

15. WO 9843478A. New isolated Helicobacter polynucleotides - used to develop products for the diagnosis, prevention and treatment of Helicobacter infections and gastrointestinal diseases. AL-GARAWI, A, et al. A01N043/04 A61K031/70 A61K031/7088 A61K035/76 A61K038/00 A61K039/106 A61K039/40 A61K045/00 A61K048/00 A61P001/04 A61P031/04 C07K014/205 C07K016/12 C12N015/09 C12P021/02.

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Term	Documents
(1 OR 2).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	15
(L2 OR L1).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	15

[Prev Page](#)    [Next Page](#)

**Search in UniProtKB/TrEMBL: There are matches to 20 out of 3633676 entries**

O25142\_HELPY

Fucosyltransferase {GENE:OrderedLocusNames=HP\_0379} - Helicobacter pylori  
(Campylobacter pylori)

O25366\_HELPY

Fucosyltransferase {GENE:OrderedLocusNames=HP\_0651} - Helicobacter pylori  
(Campylobacter pylori)

O30511\_HELPY

Alpha1,3-fucosyltransferase {GENE:Name=fucT} - Helicobacter pylori  
(Campylobacter pylori)

O32631\_HELPY

Alpha-(1,3)-fucosyltransferase (EC 2.4.1.-) {GENE:Name=fucT} - Helicobacter pylori  
(Campylobacter pylori)

Q1CSJ2\_HELPH

Alpha 1,3-fucosyltransferase (EC 2.4.1.214)  
{GENE:OrderedLocusNames=HPAG1\_1013} - Helicobacter pylori (strain HPAG1)

Q1CTL9\_HELPH

Alpha 1,3-fucosyltransferase (EC 2.4.1.214)  
{GENE:OrderedLocusNames=HPAG1\_0636} - Helicobacter pylori (strain HPAG1)

Q1CV61\_HELPH

Alpha-1,2-fucosyltransferase (EC 2.4.1.-)  
{GENE:OrderedLocusNames=HPAG1\_0094} - Helicobacter pylori (strain HPAG1)

Q6ST35\_HELPY

Alpha-1,4 fucosyltransferase {GENE:Name=fucTIII} - Helicobacter pylori  
(Campylobacter pylori)

Q9L8S4\_HELPY

Alpha-1,3/4-fucosyltransferase {GENE:Name=fucTa} - Helicobacter pylori  
(Campylobacter pylori)

Q9X3N7\_HELPY

Alpha-1,2-fucosyltransferase {GENE:Name=fucT2} - Helicobacter pylori  
(Campylobacter pylori)

Q9X435\_HELPY

Alpha-1,2-fucosyltransferase - Helicobacter pylori (Campylobacter pylori)

Q9X436\_HELPY

Alpha-1,2-fucosyltransferase long form - Helicobacter pylori (Campylobacter pylori)

Q9X437\_HELPY

Alpha-1,2-fucosyltransferase short form - Helicobacter pylori (Campylobacter pylori)

Q9X438\_HELPY

Alpha-1,2-fucosyltransferase - Helicobacter pylori (Campylobacter pylori)

Q9X439\_HELPY

Alpha-1,2-fucosyltransferase - Helicobacter pylori (Campylobacter pylori)

Q9X440\_HELPY

Alpha-1,2-fucosyltransferase - Helicobacter pylori (Campylobacter pylori)

Q9X441\_HELPY

Alpha-1,2-fucosyltransferase - Helicobacter pylori (Campylobacter pylori)

Q9ZKD7\_HELPJ

ALPHA-(1,3)-FUCOSYLTRANSFERASE {GENE:Name=fucU;  
OrderedLocusNames=jhp\_1002} - Helicobacter pylori J99 (Campylobacter pylori  
J99)

Q9ZLI3\_HELPJ

ALPHA (1,3)-FUCOSYLTRANSFERASE {GENE:Name=fucT;  
OrderedLocusNames=jhp\_0596} - Helicobacter pylori J99 (Campylobacter pylori  
J99)

Q9ZMX9\_HELPJ

Putative ALPHA(1,2)FUCOSYLTRANSFERASE  
{GENE:OrderedLocusNames=jhp\_0086} - Helicobacter pylori J99 (Campylobacter  
pylori J99)

1. JP02004009793A. 04 Jun 02. 15 Jan 04. AXLE DRIVE. OKADA, HIDEAKI. B60K017/10; F16H039/08 F16H047/02.

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2. WO2004009793A2. 23 Jul 03. 29 Jan 04. SYNTHESIS OF GLYCOPROTEINS USING BACTERIAL GLYCOSYLTRANSFERASES. JOHNSON, KARL F, et al. C12N00/;.

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3. EP 1522241A. Brewing equipment pod carrier has liquid flow path formed between first and second pod receiving cavities of different size formed on first and second opposite sides of frame. MEISTER, P C, et al. A47J031/00 A47J031/02 A47J031/06 A47J031/40 A47J031/44.

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4. DE2004009793U. Biological reaction chamber for e.g. micro-arrays, microtitration plates and slides, includes permanent magnets in lid and walls. C12M001/16 C12M001/20 C12M001/34.

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5. KR2004009793A. Motor having split type stator. CHOI, S G, et al. H02K001/14.

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6. WO2004009793A. Producing fucosylated glycoprotein, by contacting recombinant fucosyltransferase protein with mixture comprising donor substrate and acceptor substrate on glycoprotein. BEZILA, D J, et al. A23J001/00 C12N000/00 C12N009/00 C12N009/10 C12N009/12 C12P001/00 C12P019/18 C12P021/02 C12P021/06 C12Q001/00 C12Q001/48.

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7. JP2004009793A. Axle drive unit for e.g. self-driven vehicle, has hydraulic speed changer which hydraulic pump has one portion positioned at axle side from outer diameter of gearwheel inserted to axle. B60K017/10 F16H039/08 F16H047/02.

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<!--StartFragment-->RESULT 1  
AEB70145  
ID AEB70145 standard; protein; 446 AA.  
XX  
AC AEB70145;  
XX  
DT 06-OCT-2005 (first entry)  
XX  
DE Helicobacter pylori fucosyl transferase, FutB, protein, SEQ ID NO: 16.  
XX  
KW Fucosyltransferase; protein production; enzyme.  
XX  
OS Helicobacter pylori; strain 1111.  
XX  
FH Key Location/Qualifiers  
FT Misc-difference 168  
FT /note= "Encoded by GC"  
FT Misc-difference 355  
FT /note= "Encoded by AG"  
FT Misc-difference 408  
FT /note= "Encoded by AG"  
FT Misc-difference 435  
FT /note= "Encoded by AG"  
XX  
PN US2005164338-A1.  
XX  
PD 28-JUL-2005.  
XX  
PF 22-JAN-2004; 2004US-00764212.  
XX  
PR 22-JAN-2004; 2004US-00764212.  
XX  
PA (NEOS-) NEOSE TECHNOLOGIES INC.  
PA (UYAL-) UNIV ALBERTA.  
XX  
PI Simala-Grant J, Taylor D, Johnson KF, Bezila DJ;  
XX  
DR WPI; 2005-521417/53.  
DR N-PSDB; AEB70144.  
XX  
PT New isolated fucosyltransferase polynucleotides and polypeptides, useful  
PT for synthesizing oligosaccharides, glycoproteins, or glycolipids.  
XX  
PS Claim 1; SEQ ID NO 16; 97pp; English.  
XX  
CC The present invention provides alpha-1,3/4-fucosyltransferase (also  
CC termed as fucosyltransferase) proteins and nucleic acids from various  
CC strains of Helicobacter pylori. This enzyme catalyzes the transfer of a  
CC fucose residue from a donor substrate to an acceptor substrate. The  
CC fucosyltransferase polynucleotides and polypeptides are useful for the  
CC synthesis of oligosaccharides, glycoproteins and glycolipids. The present  
CC sequence is Helicobacter pylori fucosyltransferase protein.  
XX  
SQ Sequence 446 AA;

Query Match 100.0%; Score 2388; DB 9; Length 446;  
Best Local Similarity 100.0%; Pred. No. 3.6e-201;  
Matches 446; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MFQPLLDAYVESASIEKMASKSPPPLKIAVANWWGDEEIKEFKKSVLYFIFSQRTIALH 60  
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Db 1 MFQPLLDAYVESASIEKMASKSPPPLKIAVANWWGDEEIKEFKKSVLYFIFSQRYTIALH 60  
Qy 61 QNPNEFSDLVFSNPLGSARKILSYQNAKRVFYTGENEVPNFNLFDYAIGFDELDFRDRYL 120  
Db 61 QNPNEFSDLVFSNPLGSARKILSYQNAKRVFYTGENEVPNFNLFDYAIGFDELDFRDRYL 120  
Qy 121 RMPLYYDRLHHKAESVNDDTSPYKLKDNSLYTLKKPSHQFKENHPNLCAVVNDESDPLKR 180  
Db 121 RMPLYYDRLHHKAESVNDDTSPYKLKDNSLYTLKKPSHQFKENHPNLCAVVNDESDPLKR 180  
Qy 181 GVVSFVASNANAPMRNAFYDALNSIEPVTGGGSVKNTLGYNVKNKSEFLSQYKFNLCFEN 240  
Db 181 GVVSFVASNANAPMRNAFYDALNSIEPVTGGGSVKNTLGYNVKNKSEFLSQYKFNLCFEN 240  
Qy 241 SQGYGYVTEKILDAYFSHTIPIYGSPSVAKDFNPKEFVNVDFFNNFDEAIDYIKYLHTH 300  
Db 241 SQGYGYVTEKILDAYFSHTIPIYGSPSVAKDFNPKEFVNVDFFNNFDEAIDYIKYLHTH 300  
Qy 301 PNAYLDMLYENPLNALDGKAYFYQDLSFKKILAFFKTILENDTIYHKSSTSFMWECDLDE 360  
Db 301 PNAYLDMLYENPLNALDGKAYFYQDLSFKKILAFFKTILENDTIYHKSSTSFMWECDLDE 360  
Qy 361 PLASIDDLRVNYDDLRVNYDDLRVNYDDLRVNYDDLRVNYERLLQNASPLLEL 420  
Db 361 PLASIDDLRVNYDDLRVNYDDLRVNYDDLRVNYDDLRVNYERLLQNASPLLEL 420  
Qy 421 SQNTSFKIYRKAYQKPIKNPYPYCAP 446  
Db 421 SQNTSFKIYRKAYQKPIKNPYPYCAP 446

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<!--StartFragment-->RESULT 1
PCT-US05-01614-16
; Sequence 16, Application PC/TUS0501614
; GENERAL INFORMATION:
; APPLICANT: Taylor, Diane
; APPLICANT: Johnson, Karl F.
; APPLICANT: Bezila, Daniel James
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: Governors of the University of Alberta .
; TITLE OF INVENTION: H. pylori Fucosyltransferases
; FILE REFERENCE: 019957-019410PC
; CURRENT APPLICATION NUMBER: PCT/US05/01614
; CURRENT FILING DATE: 2005-01-21
; PRIOR APPLICATION NUMBER: US 10/764,212
; PRIOR FILING DATE: 2004-01-22
; NUMBER OF SEQ ID NOS: 179
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Helicobacter pylori
; FEATURE:
; OTHER INFORMATION: H. pylori strain 1111 FutB fucosyltransferase
PCT-US05-01614-16
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Query Match 100.0%; Score 2388; DB 1; Length 446;  
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Qy	1	MFQPLLDAYVESASIEKMASKSPPPLKIAVANWWGDEEIKEFKKSVLYFIFSQRYTIALH	60
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Qy	61	QNPNEFSDLVFSNPLGSARKILSYQNAKRVFTGENEVPNFLFDYAI GFDELDFRDRYL	120
Db	61	QNPNEFSDLVFSNPLGSARKILSYQNAKRVFTGENEVPNFLFDYAI GFDELDFRDRYL	120
Qy	121	RMPLYYDRLHHKAESVNDDTSPYKLKDNSLYTLKKPSHQFKENHPNLCAVVNDESDPLKR	180
Db	121	RMPLYYDRLHHKAESVNDDTSPYKLKDNSLYTLKKPSHQFKENHPNLCAVVNDESDPLKR	180
Qy	181	GVVSFVASNANAPMRNAFYDALNSIEPVTTGGGSVKNTLGYNVKNKSEFLSQYKFNLCFEN	240
Db	181	GVVSFVASNANAPMRNAFYDALNSIEPVTTGGGSVKNTLGYNVKNKSEFLSQYKFNLCFEN	240
Qy	241	SQGYGYVTEKILDAYFSHTIPIYGSPSVAKDFNPKEFVNWHDFNNFDEAIDYIKYLHTH	300
Db	241	SQGYGYVTEKILDAYFSHTIPIYGSPSVAKDFNPKEFVNWHDFNNFDEAIDYIKYLHTH	300
Qy	301	PNAYLDMLYENPLNALDGKAYFYQDLSFKKILAFFKTILENDTIYHKSSTSFMWECDLDE	360
Db	301	PNAYLDMLYENPLNALDGKAYFYQDLSFKKILAFFKTILENDTIYHKSSTSFMWECDLDE	360
Qy	361	PLASIDDLRVNYDDLRVNYDDLRVNYDDLRVNYDDLRVNYERLLQNASPILLEL	420
Db	361	PLASIDDLRVNYDDLRVNYDDLRVNYDDLRVNYDDLRVNYERLLQNASPILLEL	420
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## RESULT 2

PCT-US05-01614A-16  
; Sequence 16, Application PC/TUS0501614A  
; GENERAL INFORMATION:  
; APPLICANT: Taylor, Diane  
; APPLICANT: Johnson, Karl F.  
; APPLICANT: Bezila, Daniel James  
; APPLICANT: Neose Technologies, Inc.  
; APPLICANT: Governors of the University of Alberta  
; TITLE OF INVENTION: H. pylori Fucosyltransferases  
; FILE REFERENCE: 019957-019410PC  
; CURRENT APPLICATION NUMBER: PCT/US05/01614A  
; CURRENT FILING DATE: 2005-01-21  
; PRIOR APPLICATION NUMBER: US 10/764,212  
; PRIOR FILING DATE: 2004-01-22  
; NUMBER OF SEQ ID NOS: 179  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 16  
; LENGTH: 446  
; TYPE: PRT  
; ORGANISM: Helicobacter pylori  
; FEATURE:  
; OTHER INFORMATION: H. pylori strain 1111 FutB fucosyltransferase

PCT-US05-01614A-16

Query Match 100.0%; Score 2388; DB 1; Length 446;  
Best Local Similarity 100.0%; Pred. No. 1e-221;  
Matches 446; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MFQPLLDAYVESASIEKMASKSPPPLKIAVANWWGDEEIKEFKKSVLYFIFSQRYTIALH 60  
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Db 1 MFQPLLDAYVESASIEKMASKSPPPLKIAVANWWGDEEIKEFKKSVLYFIFSQRYTIALH 60

Qy 61 QNPNEFSDLVFSNPLGSARKILSYQNAKRVFYTGENEVPNFNLFDYAIGFDELDFRDRYL 120  
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Qy 121 RMPLYYDRLHHKAESVNDDTSPYKLKDMSLYTLKKPSHQFKENHPNLCAVVNDESDPLKR 180  
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Qy 181 GVVSFVASNANAPMRNAFYDALNSIEPTGGGSVKNTLGYNVKNKSEFLSQYKFNLCFEN 240  
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Qy 361 PLASIDDLRVNYDDLRLRVNYDDLRLRVNYDDLRLRVNYERLLQNASPLLEL 420  
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<!--StartFragment-->RESULT 15  
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ID ABU52257 standard; protein; 418 AA.  
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AC ABU52257;  
XX  
DT 07-MAY-2003 (first entry)  
XX  
DE Helicobacter pylori selected interacting domain (SID) protein #1601.  
XX  
KW Protein-protein interaction; ulcer; selected interacting domain; SID.  
XX  
OS Helicobacter pylori.  
XX  
PN WO200266501-A2.  
XX  
PD 29-AUG-2002.  
XX  
PF 28-DEC-2001; 2001WO-EP015428.  
XX  
PR 02-JAN-2001; 2001US-0259302P.  
XX  
PA (HYBR-) HYBRIGENICS.  
PA (INSP ) INST PASTEUR.  
XX  
PI Legrain P, Rain J, Colland F, De Reuse H, Labigne A;  
XX  
DR WPI; 2002-674910/72.  
DR N-PSDB; ABX67002.  
XX  
PT New complexes of protein-protein interactions in Helicobacter pylori,  
PT useful for identifying modulating compounds for treating or preventing  
PT ulcers in mammals.  
XX  
PS Claim 6; Page 479; 642pp; English.  
XX  
CC The invention describes a complex of protein-protein interactions in  
CC Helicobacter pylori selected from 421 complexes given in the  
CC specification. The complex of protein-protein interactions are useful for  
CC screening for agents which modulate the interaction of proteins.  
CC Modulating compounds which binds to a targeted bacterial protein may be  
CC used for treating or preventing ulcers in a human or animal. This is the  
CC amino acid sequence of a selected interacting domain (SID), identified  
CC via protein-protein interactions. Note: Where the patent number printed  
CC at the top of the pages in the specification has obscured areas of  
CC protein sequence, the indexer has replaced the residue with an X to  
CC represent an illegible residue  
XX  
SQ Sequence 418 AA;  
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Query Match 11.9%; Score 53; DB 5; Length 41  
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Db 218 NKSEFLSQYKFNLCFENSQGYGYVTEKILDAYFSHTIPIYGSPSVAKDFNPK 270

Search completed: August 11, 2006, 20:00:03  
Job time : 118.313 secs